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|---|-------------------|---------------|---------------------------------|--------------------|---------------------|------------------------|
| SIEVING ERROR: 1.0% | | | <u>SAMPLE STATISTICS</u> | | | |
| SAMPLE IDENTITY: PEN-91-11_300 | | | ANALYST & DATE: MT/RM, 8/20/91 | | | |
| SAMPLE TYPE: Bimodal, Moderately Well Sorted | | | TEXTURAL GROUP: Sand | | | |
| SEDIMENT NAME: Moderately Well Sorted Medium Sand | | | | | | |
| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
| MODE 1: | 273.5 | 1.876 | GRAVEL: 0.0% | | COARSE SAND: 8.8% | |
| MODE 2: | 193.5 | 2.375 | SAND: 99.8% | | MEDIUM SAND: 46.1% | |
| MODE 3: | | | MUD: 0.2% | | FINE SAND: 43.1% | |
| D_{10} : | 161.2 | 1.054 | | | V FINE SAND: 1.8% | |
| MEDIAN or D_{50} : | 259.1 | 1.948 | V COARSE GRAVEL: 0.0% | | V COARSE SILT: 0.2% | |
| D_{90} : | 481.7 | 2.633 | COARSE GRAVEL: 0.0% | | COARSE SILT: 0.0% | |
| (D_{90} / D_{10}) : | 2.988 | 2.499 | MEDIUM GRAVEL: 0.0% | | MEDIUM SILT: 0.0% | |
| $(D_{90} - D_{10})$: | 320.5 | 1.579 | FINE GRAVEL: 0.0% | | FINE SILT: 0.0% | |
| (D_{75} / D_{25}) : | 1.699 | 1.478 | V FINE GRAVEL: 0.0% | | V FINE SILT: 0.0% | |
| $(D_{75} - D_{25})$: | 135.8 | 0.765 | V COARSE SAND: 0.0% | | CLAY: 0.0% | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 294.9 | 264.7 | 1.917 | 265.2 | 1.915 | Medium Sand |
| SORTING (σ): | 154.5 | 1.549 | 0.631 | 1.517 | 0.601 | Moderately Well Sorted |
| SKEWNESS (Sk): | 2.097 | 0.532 | -0.532 | 0.128 | -0.128 | Coarse Skewed |
| KURTOSIS (K): | 8.204 | 3.835 | 3.835 | 1.085 | 1.085 | Mesokurtic |

